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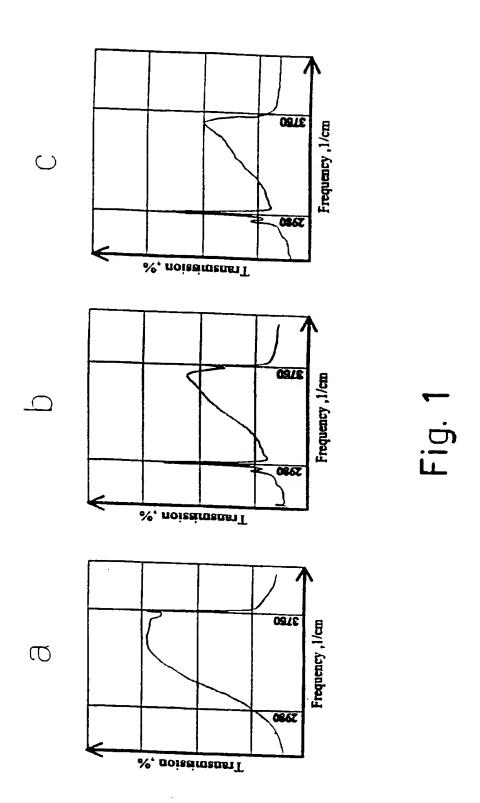
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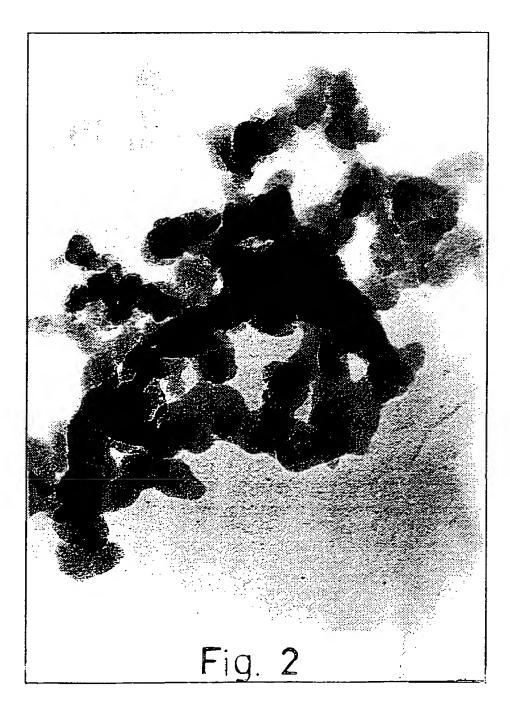
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OSTODIS CEES

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16 Juge



The number Nei of boxes of size 1/ n needed to cover the fractal (photo 005239) LB +Si). The fractal dimension D=1.82

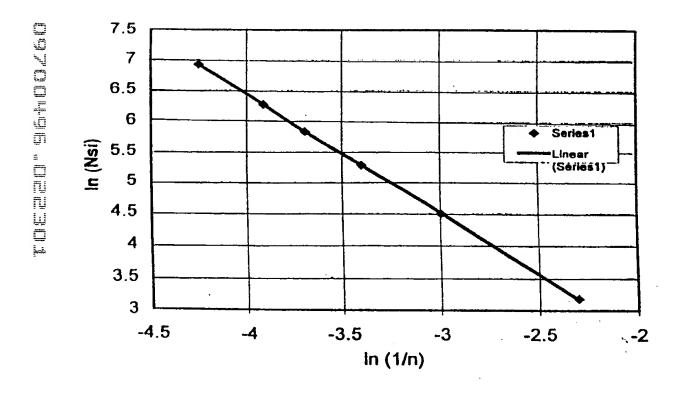
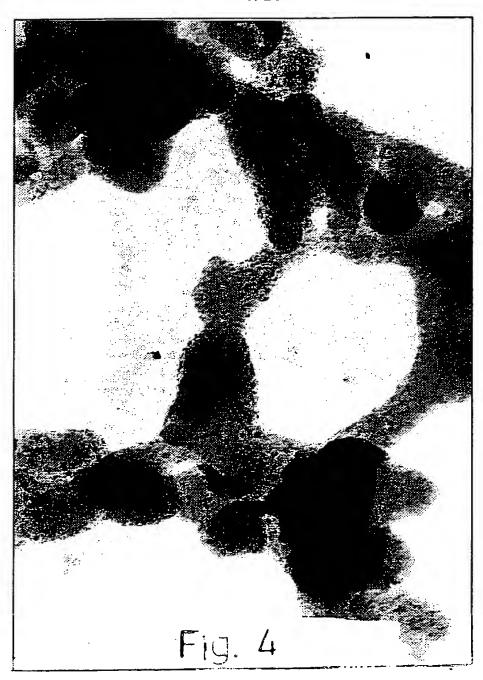


Fig. 3



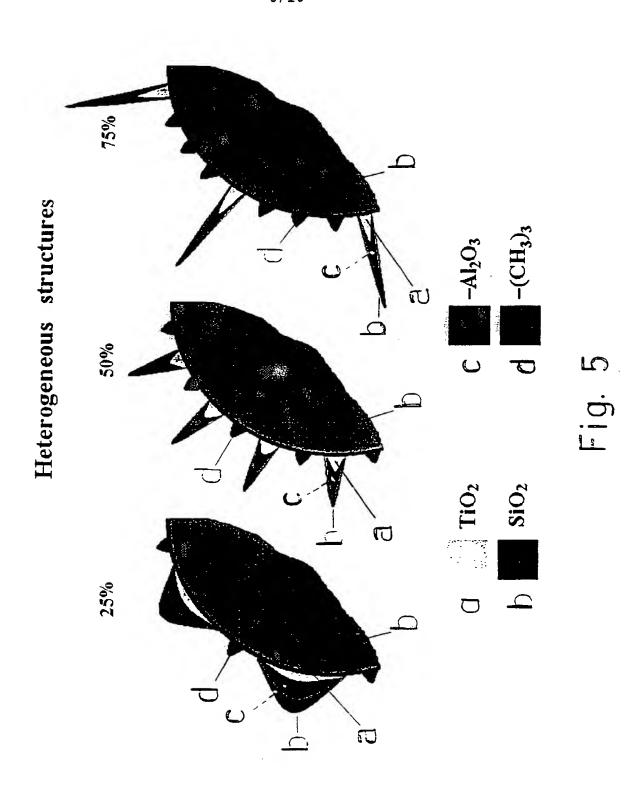






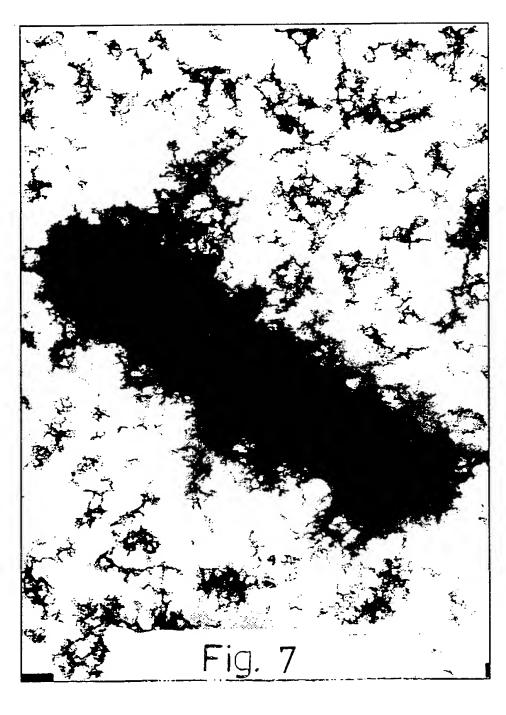
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N	Substance	Mechanism	Application
ľ	X 1	Y 1 - Y 5	Application Z 1 - Z 5
2	X 2	Y 1 - Y 20	Z1-Z7
3	X 3 X 3'	Y 1 - Y 23 Y 24	Z 1 - Z 7
4	X 4	Y 1 - Y 23; Y 25:	Z 1 - Z 7
5	X 5	Y 27	Z -Z3
6	X 6	Y 1 - Y 23; Y 25; Y 26	Z1-Z7
7	X 7	Y 28	Z 8
8	X 8	Y 1 - Y 20	Z1-Z3

Fig. 6

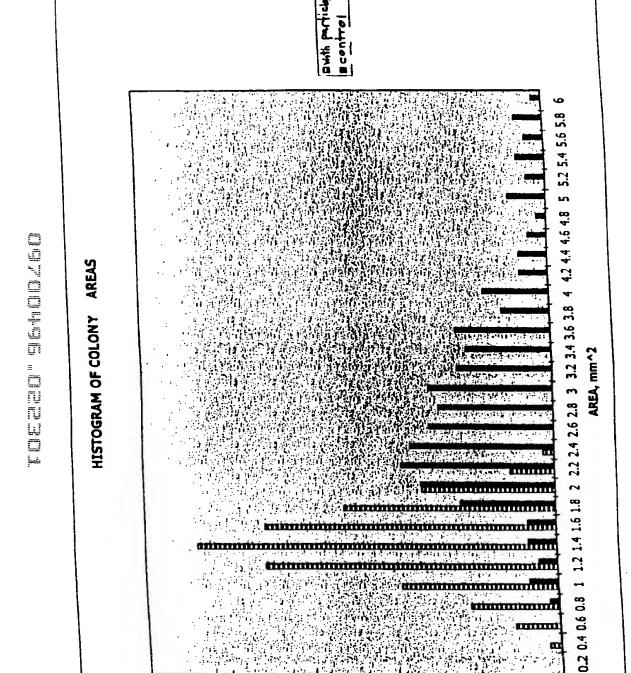


Results from microbiological experiments:

- Type of Bacteria: Paenibaciluus A-50

- Partácles : SiO₂, Modified SiO₂, Modified SiO₂ + TiO₂, Al₂O₂ - Measured undex : Growth on agar plates in presence of particles

Darticle Tyne	Treatment			concentration			
בקותבום דגמם		1%	0.5%	0.25%	0.2%	0.1%	0.05%
Control	•	Full Growth	Full Growth	Full Growth	Full Growth	Full Growth	Full Growth
SiO	Inside agar	Full Growth	Full Growth	Full Growth	•	•	•
(X1)	Inside and on	0	0	0	1	•	•
	Inside agar	•	•		0	0	0
Modified	On top of	•	•	,	0	0	0
SiO ₂ and Modified	agar Inside and on	•	1	1	0	0	0
SiO, + TiO,	top of agar					1	E I George
Al ₂ O ₃	Inside agar			Full Growth	ı	Full Growth	rill Glowin
	Table and on			0	•	0	0
(x)	Inside and on			>			
	top of agar						



T Q

РREQUENCY, %

b

a

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Influence of particles on the Level of Chlorides in Rats Serum Blood.

	Chloride Level (mmol/l) over time(days) after exposure								
Dose	10 ·	20	30	60	90				
Control	78.1±4.91	91.3±7.68	94.8±8.43	91.3±2.75	98.8±2.75				
100mg/kg	86.5±2.14	92.6±4.55	99.6±5.24	94.0±5.96	105.0±4.38				
330mg/kg	88.0±3.41	94.0±4.68	94.1±5.84	97.7±4.17	105.0±3.93				
1000mg/kg	90.0±0.64	110.4±2.42	122.4±6.20	102.4±4.08	109.2±5.14				

Influence of particles on the Level of B-lipoprotein in Rats Serum Blood.

	ß-lipoprotein Level (g/l) over time(days) after exposure.											
Dose	10	20	30	60	90							
Control	0.58 ± 0.043	0.58 ± 0.073	0.52 ± 0.043	0.63 ± 0.074	0.60 ± 0.084							
100mg/kg	0.55 ± 0.97	0.41 ± 0.090	0.42 ± 0.097	0.64 ± 0.150	0.47 ± 0.043							
330mg/kg	0.46 ± 0.103	0.43 ± 0.062	0.39 ± 0.118	0.38 ± 0.107	0.43 ±: 0.104							
1000mg/kg	0.39 ± 0.043	0.28 ± 0.071	0.32 ± 0.064	0.35 ± 0.054	0.46 ± 0.084							

Fig. 10

ALTERATION OF SENSITIVITY TO ANTIBIOTICS WITH PARTICLE TREATMENT

OSYOCHOS CEEDI

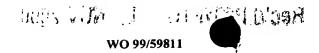
	11/16	
KANAMICINE	80	100
ERYTHRO- MYCINE	40	100
LEVOMY. CITINE	40	29
TETRACY- CLINE	40	29
GENTAMY- TETRACY- CINE CLINE	08	100
STREPTO- MYCINE	09	100
AMPICIL- LIN	09	67
PENICILLIN	20	33
	CONTRACT	WITH PARTICLE SERTHEN

Fig. 11

TREATMENT OF PURULENT INFLAMMATORY DISEASES

Need in THERAPY そって ANTBIOTICS.	12/16 0. 8.	92.3
AVERAGE TIME OF Nee IN HOSPITAL THERAPY. A. (DAYS)	11.2 ± 0.5	15.2 ± 0.7
ANBULATORY THERAPY PROLONGA FION:	64.4	5.0
HOSPITALIZED.	62.0	61.5
NUMBER OF PATIENTS	20	39
GROUP	CONVENTIONAL THERAPY + PARTORE	CONTROL GROUP CONVENTIONAL THERAPY

Fig. 12





Infection

REGRESS IN CLINICAL MANIFESTATIONS AND NORMALIZATION OF LABOLATORY INDEX ON FIFTH DAY OF INVESTIGATION.

% of patients with regress in symptoms

C:alamana	Pacticle:	Traiment	Standa	rd treatment
Sickness	HEPATITIS A	GASTROENTERITIS %	HEPATITIS A %	GASTROENTERITIS %
1. FEVER	89.0	95.0	73.0	75.0
2. SICKNESS. VOMITING	98.0	99.0	62.0	67.0
3. WEAKNESS	90.0	97.0	89.0	78.0
4. DIARRHEN		100.0		81.0
5 FLATULENCE		100.0		53.0
6. ACTIVE ALANINAMINO- TRANSFERASE	51.0		29.0	
7-CITOGRAME OF FAECES		100.0		53.0
8-HYPERBILLI- RUBINEMIA	69.0		52.0	
9-RECURRING CULTUR OF MICROBES		8.0		11.0
10- SKIN ITCHING	95.0		30.0	

Fig. 13

Surgery

PARTICLE TREATMENT IMPACT ON THE WOUND MICROFLORE SENSITIVITY TO ANTIBIOTICS

	14 / 16	PCI/ILSS
KANAMICINE	80	100
ERYTHRO- MYCINE	40	100
LEVOMY- CITINE	40	29
TETRACY- LEVOMY- CLINE CITINE	40	
GENTAMY- CINE	80	100
STREPTO. MYCINE	09	100
AMPICIL- LIN	09	29
PENICILLIN	20	.33
SENSITIVITY %	Standard wound treatment	Particle Wound Treatment

Fig. 14



Dentology

15/16

Clinical-Laboratory Index Dynamics for Patients with Perodontitis. Treatment by Medical Substances on the particle, surface.

Νg			tance	Sali			М	noc togra	mme, un	ils	
group		capill (se	lary's	Haemoglobin, units		Promonoe, te.'s		Monooltæ's		Polymorpho nuclear's	
		Mild Level	Middle Levei	Mild Level	Middle Level	Mild Level	Middle Level	Mild Level	Mild : Level	Mild Level	Middle Level
antibiotic	Before treat	30.85	9.33	0.014	0.13	16.33	14.7	26.3	28.16	57.46	57.7
	After treat	38.94	21.83	0.0000 58	0.04	22.29	21.03	28.59	43.11	51.29	36.8
2 antibiotic +	Before treat	14.3	11.21	0.049	0.13	15.36	10.9	25.91	28.5	58.73	56.6
Urea	After treat	24.3	23.18	0.007	0.09	19.55	27.00	28.2	28.5.	52.3	44.5
3 Furacilline	Before treat	9.24	9.24	0.031	0.12	16.29	10.53	25.35	20.0	59.46	60.4
	After treat	20.11	20.11	0.003	0.06	20.23	17.21	29.11	29.8	51.11	53.0
4 Arneus	Before treat	11.5	11.35	0.023	0.20	13.0	45.83	28.0	20.84	59.0	64.3
calamus	After treat	19.8	22.91	0.007	0.13	19.0	21.06	29.11	26.37	51.89	57.5

Fig. 15

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Ailment

Scars and keloids Pruritis Senilis Cuprosis Acne vulgaris Scratches and fissures Alopecia

Treatment CaF₂ Mg BaCo₃ CaS, SiO₂ AgNO₃ Zn

Fig. 16